

Supplemental Table S5: Pka1-regulated proteins from *C. neoformans* present in the ATCC gene deletion set.

Gene number	Abund. ^a	Pheno. ^b	Small molecule phenotype		
			Sensitivity	Resistance	
CNAG_00094	↓	WT	hydrogen peroxide, palmitic acid		thonzonium bromide
CNAG_00136	↓		none		none
CNAG_00162	↓		chromium III, MMS, pentamidine isethionate		climbazole, hydrogen peroxide, mycophenolic acid, NH ₄ Cl, rapamycin, sodium molybdate, sodium sulfite
CNAG_00180	↓	WT	none		hydrogen peroxide, sodium molybdate
CNAG_00275*	↓	WT	benomyl, terbinafine		alexidine, brefeldin A, pentamidine isethionate, sodium molybdate
CNAG_00315	↓	WT	tauroolidine		none
CNAG_00409	↓		none		none
CNAG_00482	↓		2-aminobenzotriazole, 5-fluorocytosine, allantoin, aluminum sulfate, borate, BPS, chromium III, colistin, crystal violet, hydroxyurea, latrunculin, manganese sulfate, MMS, myclobutanil, mycophenolic acid, myriocin, NaNO ₂ , nicotinamide, pH, rapamycin, SDS, sertraline, sodium iodide, sodium molybdate, sodium sulfite, sodium tungstate, terbinafine, tomatine		cyclosporine + FK506, MMS, rapamycin, rapamycin + GdA
CNAG_00520	↓	WT	none		none
CNAG_00573	↓	WT	allantoin, amiodarone, BPS, castanospermine, climbazole, colistin, congo red, cyclosporine, daphnetin, deferoximine, emodin, geldanamycin, manganese sulfate, MMS, myclobutanil, NA8, NiSO ₄ , ophiobolin, SDS, sodium selenite, sodium tungstate, staurosporine, tellurite, terbinafine		fenpropimorph, hygromycin, K252a, LiCl, lovastatin, LY-294002, menthol, miconazole, MMS, mycophenolic acid, myriocin, pectin, rapamycin, selumenitib, sertraline, sertraline + fluconazole, thiabendazole, verrucarin
CNAG_00827	↓	WT	alexidine		none

Gene number	Abund. ^a	Pheno. ^b	Small molecule phenotype		
			Sensitivity	Resistance	
CNAG_01097	↓	WT	none		none
			bifonazole, chloroquine, CuSO ₄ , cyclosporine, FK506, fluconazole, K252a, mycophenolic acid, neomycin, palmitic acid, quinic acid, rapamycin, sodium molybdate, 2-hydroxyethylhydrazine, hydrogen peroxide, myriocin, pectin		
CNAG_01181	↓		terbinafine		
CNAG_01241	↓		trimethoprim		tellurite
CNAG_01362	↓	WT	none		none
CNAG_01375	↓	WT			
CNAG_01432	↓		sodium molybdate		none
CNAG_01540	↓	WT			
			Melanin		hydrogen peroxide, phenylarsine
CNAG_01644	↓	defect	5-fluorocytosine, CuSO ₄ , NiSO ₄ , sodium molybdate		oxide, sodium tungstate
CNAG_01653*	↑	WT	none		none
CNAG_01817	↓		none		none
CNAG_01843	↓		FeCl ₂ , fenpropimorph		none
CNAG_01846	↓	WT	none		none
CNAG_01897	↓		none		none
			cerulenin, cycloheximide, NiSO ₄ , sodium molybdate,		
CNAG_02230	↓	WT	terbinafine		malachite green, NH ₄ Cl, tunicamycin
CNAG_02234	↓	WT			
CNAG_02445	↓		hydrogen peroxide		none
CNAG_02671	↓		none		none
			Melanin defect/		
CNAG_02827	↓		Growth defect		
CNAG_02833	↓	WT	none		none
CNAG_02994	↓	WT	none		BPS, sodium molybdate, taurolidine
			hydrogen peroxide, mycophenolic acid, pentamidine		climbazole, quinic acid, rapamycin,
CNAG_03019	↓	WT	isethionate, sodium molybdate		sodium sulfite
CNAG_03038	↓	WT	none		pentamidine isethionate

Gene number	Abund. ^a	Pheno. ^b	Small molecule phenotype		
			Sensitivity		Resistance
CNAG_03058	↓	WT	none		none
CNAG_03771	↓	WT	sodium tungstate, taurolidine		hydrogen peroxide, K252a, LiCl, pentamidine isethionate
CNAG_04195	↓	WT			
CNAG_04346	↓	WT	5-fluorocytosine, amphotericin B, caffeine, cyclosporine, FeCl ₂ , menadione, NA8, nigericin, prussian blue, S8, sodium molybdate, staurosporine, terbinafine	2-hydroxyethylhydrazine, K252a, lovastatin, MG132, taurolidine, trimethoprim	
CNAG_04609	↓	WT	3-amino-triazole, brefeldin A, chlorpromazine, chromium III, cyclosporine, cyclosporine + FK506, hydrogen peroxide, K252a, latrunculin, menadione, quinic acid, rapamycin, sertraline + fluconazole, sodium molybdate, trimethoprim, tunicamycin, verrucarin		betulinic acid, BPS
CNAG_04835	↓	WT	none		none
CNAG_04962	↓	WT	antimycin, FeCl ₂		none
CNAG_05077	↓	WT	manganese sulfate, sodium molybdate, sodium sulfite, tunicamycin		LiCl
CNAG_05097	↓		3-amino-triazole		none
CNAG_05144	↓		none		none
CNAG_05148	↓		none		none
CNAG_05221	↓	WT	palmitic acid		sodium sulfite
CNAG_05258	↓	WT	sodium molybdate		pentamidine isethionate
CNAG_05311	↓		myriocin, polyoxin B, quinic acid		sodium molybdate
CNAG_05312	↑		coniine, CuSO ₄ , metavandate, palmitic acid, pentamidine isethionate, sodium molybdate, sodium sulfite, sodium tungstate		benomyl
CNAG_05437	↓	WT	none		none
CNAG_05465	↓	WT	none		none
CNAG_05540	↓	WT	amphotericin B, sodium molybdate		benomyl

Gene number	Abund. ^a	Pheno. ^b	Small molecule phenotype		
			Sensitivity	Resistance	
CNAG_05570	↓	WT none		climbazole, sorafenib	
CNAG_05689	↓	WT none		taurolidine	
		Melanin		allantoin, CuSO ₄ , pentamidine	
CNAG_05882	↓	defect rapamycin, sodium molybdate		isethionate, tomatine	
CNAG_06074*	↓	WT none		none	
CNAG_06432	↓	WT none		none	
				sodium molybdate, sodium sulfite,	
CNAG_07316	↓	palmitic acid		taurolidine	
CNAG_07464	↓	antimycin, bifonazole		sodium molybdate, sodium sulfite	
CNAG_07717	↓	none		none	

^aObserved protein abundance under Pka1-induction.

^bPhenotypic observations made on the mutant strains: WT refers to phenotypic similarity between the mutant strain and WT.

*Significant proteins after multiple hypothesis testing (FDR < 0.05).